

## EAST Search History

| Ref # | Hits   | Search Query                      | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|--------|-----------------------------------|---|------------------|---------|------------------|
| L1    | 322    | 52/732.1.ccls.                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/08/15 16:06 |
| L2    | 497    | 52/731.2.ccls.                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/08/15 16:06 |
| L3    | 126    | 52/732.2.ccls.                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/08/15 16:06 |
| L4    | 166    | 52/731.3.ccls.                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/08/15 16:32 |
| L5    | 254    | L3 L4                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/08/15 16:06 |
| L6    | 560    | L1 L5                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/08/15 16:06 |
| L7    | 990    | L2 L6                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/08/15 16:06 |
| L8    | 279301 | (c or box) with (channel or beam) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/08/15 16:06 |
| L9    | 203    | L7 and L8                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/08/15 16:06 |

## EAST Search History

|     |      |                  |   |    |     |                  |
|-----|------|------------------|---|----|-----|------------------|
| L10 | 186  | end and L9       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/08/15 16:21 |
| L11 | 390  | 29/897.31.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/15 16:06 |
| L12 | 181  | 29/897.312.ccls. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/15 16:06 |
| L13 | 286  | 29/897.35.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/15 16:06 |
| L14 | 518  | 29/897.ccls.     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/15 16:06 |
| L15 | 1318 | L11 L12 L13 L14  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/15 16:06 |
| L16 | 125  | L15 and L8       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/08/15 16:16 |
| L17 | 109  | end and L16      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/08/15 16:17 |
| L18 | 125  | 16 17            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/08/15 16:17 |

## EAST Search History

|     |        |   |   |    |     |                  |
|-----|--------|---|---|----|-----|------------------|
| L19 | 40     | ("0768594"   "1331247"   "1335609"  <br>"1997876"   "2029645"   "2039398"  <br>"2167835"   "2389573"   "2916111"  <br>"3332197"   "4069638"   "4272073"  <br>"4424652"   "4793113"   "5014487"  <br>"5426906"   "5588273"   "5625997"  <br>"5661945"   "5687538"   "5692353"  <br>"5842318"   "5848512"   "5904025"  <br>"6131362"   "6145270"   "6151858"  <br>"6170217"   "6296287"   "6415576").<br>PN. OR ("6802170").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2006/08/15 16:17 |
| L20 | 179    | 10 not 17   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/08/15 16:21 |
| L21 | 33     | ("1570310"   "2356309"   "2508032"  <br>"3278043"   "3606418"   "4461134"  <br>"4870794"   "4881355"   "5079884"  <br>"5129204").PN. OR ("5464302").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2006/08/15 16:22 |
| L22 | 20     | ("3204382"   "3727357"   "3823523"  <br>"3900269"   "3933222"   "4619098"  <br>"5464302").PN. OR ("5803653").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2006/08/15 16:24 |
| L23 | 11     | ("3606418").URPN.   | USPAT   | OR | OFF | 2006/08/15 16:31 |
| L24 | 7      | ("1743327" "1963416" "1970422"<br>"2583439" "2893073" "2950789"<br>"3332197").pn.   | USPAT   | OR | OFF | 2006/08/15 16:32 |
| L25 | 245    | 52/726.2.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/15 16:37 |
| L26 | 473853 | overlap   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/15 16:37 |
| L27 | 597210 | overlapp\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/15 16:37 |
| L28 | 865560 | 26 27   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/15 16:37 |

## EAST Search History

|     |      |  |   |    |     |                  |
|-----|------|--|---|----|-----|------------------|
| L29 | 7936 | 8 same 28  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/15 16:37 |
| L30 | 2652 | 8 with 28  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/15 16:37 |
| L31 | 2501 | 7 15 25  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/15 16:38 |
| L32 | 19   | 30 and 31  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/15 16:43 |
| L33 | 4    | corrosion.ab. and 31   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/15 16:52 |
| L34 | 32   | ("1950677"   "3553970"   "3798867"  <br>"3939665"   "3996757"   "4019301").<br>PN. OR ("4081941").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2006/08/15 16:44 |
| L35 | 21   | ("0141293"   "0424427"   "0444579"  <br>"0757804"   "2125692"   "3284977"  <br>"3420032"   "3606418"   "4081941"  <br>"4550539"   "4649683"   "4733986"  <br>"4738071").PN. OR ("4993095").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2006/08/15 16:44 |
| L36 | 11   | ("2125692").URPN.  | USPAT   | OR | OFF | 2006/08/15 16:46 |
| L37 | 4    | ("444579").URPN.   | USPAT   | OR | OFF | 2006/08/15 16:50 |
| L38 | 32   | seal\$3.ab. and 31   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/15 16:57 |
| L39 | 29   | ("0192381"   "0489498"   "0586661"  <br>"1408232"   "1409524"   "1460014"  <br>"1758150"   "2020062"   "2075262"  <br>"2762398"   "3545152").PN. OR<br>("3834103").URPN.                         | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2006/08/15 16:54 |

## EAST Search History

|     |      |  |   |    |     |                  |
|-----|------|--|---|----|-----|------------------|
| L40 | 5696 | seal\$3 with 8   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/15 17:00 |
| L41 | 0    | weatherproof\$3.ab. and 31   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/15 16:57 |
| L42 | 0    | weather-proof\$3.ab. and 31  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/15 16:57 |
| L43 | 3    | weather-proof\$3 and 31  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/15 16:57 |
| L44 | 15   | weatherproof\$3 and 31   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/15 16:57 |
| L45 | 17   | 43 44  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/15 16:57 |
| L46 | 121  | sealant with 8   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/15 17:30 |
| L47 | 29   | "4562681" "4736555"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/15 17:31 |
| L48 | 18   | ("2053462"   "2986241"   "3313082"  <br>"3332195"   "3466824"   "3477189"  <br>"3688461"   "3696574"   "3873219"  <br>"4183190"   "4483118"   "4484430").<br>PN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2006/08/15 17:32 |
| S1  | 0    | "10761519".an.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2006/08/14 15:12 |

## EAST Search History

|     |     |  |   |    |     |                  |
|-----|-----|--|---|----|-----|------------------|
| S2  | 0   | "10761519"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2006/08/14 15:12 |
| S3  | 11  | "761519"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2006/08/14 15:17 |
| S4  | 126 | 52/732.2.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/14 16:47 |
| S5  | 322 | 52/732.1.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/14 15:18 |
| S6  | 166 | 52/731.3.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/14 15:34 |
| S7  | 497 | 52/731.2.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/14 15:18 |
| S8  | 35  | ("1997876"   "2101349"   "2975874"  <br>"2990922"   "3055399"   "3222841"  <br>"3382639"   "3417537"   "3562992"  <br>"3698149"   "3700385"   "3789563"  <br>"4570406"   "4640314"   "4809476"  <br>"4905442"   "4987717"   "5031083"  <br>"5134250"   "5657590"   "5661936"  <br>"5735097"   "5881508").PN. OR<br>("6385941").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2006/08/14 15:20 |
| S9  | 40  | ("2088781"   "2105771"   "2950789"  <br>"3332197"   "3423896"   "3536345"  <br>"3680271"   "3845601").PN. OR<br>("4809476").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2006/08/14 15:23 |
| S10 | 13  | ("2975874").URPN.  | USPAT   | OR | OFF | 2006/08/14 15:31 |
| S11 | 2   | ("0686817" "1997876").pn.  | USPAT   | OR | OFF | 2006/08/14 15:31 |
| S12 | 651 | 138/163,171.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/14 15:34 |

## EAST Search History

|     |     |  |   |    |     |                  |
|-----|-----|--|---|----|-----|------------------|
| S13 | 389 | 29/897.31.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/14 15:34 |
| S14 | 181 | 29/897.312.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/14 15:34 |
| S15 | 286 | 29/897.35.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/14 15:34 |
| S16 | 518 | 29/897.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/14 15:34 |
| S17 | 8   | ("2356309"   "3332197"   "3890755"  <br>"5457927"   "5464302"   "5983589").<br>PN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2006/08/14 15:36 |
| S18 | 254 | S4 S6  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/14 16:47 |
| S19 | 306 | S5 not S18   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/14 16:51 |
| S20 | 560 | S5 S18   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/14 16:52 |
| S21 | 430 | S7 not S20   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/14 17:28 |
| S22 | 161 | c and S21  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/14 17:28 |

## EAST Search History

|     |        |  |   |    |     |                  |
|-----|--------|--|---|----|-----|------------------|
| S23 | 32     | ("0426558"   "1360720"   "1959135"   "2508032"   "3088749"   "3332197"   "3517474"   "3753326").PN. OR ("4002000").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2006/08/14 17:15 |
| S24 | 5      | ("2950789").URPN.  | USPAT   | OR | OFF | 2006/08/14 17:27 |
| S25 | 204576 | end adj end  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/14 17:28 |
| S26 | 990    | S7 S20   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/14 17:28 |
| S27 | 53     | S25 and S26  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/14 17:37 |
| S28 | 0      | missmatch\$3 and S12   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/14 17:37 |
| S29 | 0      | miss-match\$3 and S12  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/14 17:37 |
| S30 | 23     | match\$3 and S12   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/15 10:28 |
| S31 | 2      | "20060117683"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/15 11:00 |
| S32 | 0      | "10761519".an.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2006/08/15 10:32 |
| S33 | 0      | "10761519"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2006/08/15 10:32 |



## EAST Search History

|     |     |  |   |    |     |                  |
|-----|-----|--|---|----|-----|------------------|
| S34 | 11  | "761519"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2006/08/15 10:32 |
| S35 | 322 | 52/732.1.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/15 10:32 |
| S36 | 497 | 52/731.2.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/15 10:32 |
| S37 | 126 | 52/732.2.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/15 10:32 |
| S38 | 35  | ("1997876"   "2101349"   "2975874"  <br>"2990922"   "3055399"   "3222841"  <br>"3382639"   "3417537"   "3562992"  <br>"3698149"   "3700385"   "3789563"  <br>"4570406"   "4640314"   "4809476"  <br>"4905442"   "4987717"   "5031083"  <br>"5134250"   "5657590"   "5661936"  <br>"5735097"   "5881508").PN. OR<br>("6385941").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2006/08/15 10:32 |
| S39 | 40  | ("2088781"   "2105771"   "2950789"  <br>"3332197"   "3423896"   "3536345"  <br>"3680271"   "3845601").PN. OR<br>("4809476").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2006/08/15 10:32 |
| S40 | 13  | ("2975874").URPN.  | USPAT   | OR | OFF | 2006/08/15 10:32 |
| S41 | 2   | ("0686817" "1997876").pn.  | USPAT   | OR | OFF | 2006/08/15 10:32 |
| S42 | 166 | 52/731.3.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/15 10:32 |
| S43 | 651 | 138/163,171.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/15 10:32 |
| S44 | 390 | 29/897.31.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/15 10:32 |

## EAST Search History

|     |     |   |   |    |     |                  |
|-----|-----|---|---|----|-----|------------------|
| S45 | 181 | 29/897.312.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/15 11:13 |
| S46 | 286 | 29/897.35.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/15 10:32 |
| S47 | 518 | 29/897.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/15 10:32 |
| S48 | 8   | ("2356309"   "3332197"   "3890755"  <br>"5457927"   "5464302"   "5983589").<br>PN.  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2006/08/15 10:32 |
| S49 | 254 | S37 S42   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/15 10:32 |
| S50 | 306 | S35 not S49   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/15 10:32 |
| S51 | 560 | S35 S49   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/15 10:32 |
| S52 | 430 | S36 not S51   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/15 10:32 |
| S53 | 161 | c and S52   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/15 10:32 |
| S54 | 32  | ("0426558"   "1360720"   "1959135"  <br>"2508032"   "3088749"   "3332197"  <br>"3517474"   "3753326").PN. OR<br>("4002000").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2006/08/15 10:32 |
| S55 | 5   | ("2950789").URPN.   | USPAT   | OR | OFF | 2006/08/15 10:32 |

## EAST Search History

|     |        |                       |   |    |     |                  |
|-----|--------|-----------------------|---|----|-----|------------------|
| S56 | 204637 | end adj end           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/15 10:32 |
| S57 | 990    | S36 S51               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/15 10:32 |
| S58 | 53     | S56 and S57           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/15 10:32 |
| S59 | 0      | missmatch\$3 and S43  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/15 10:32 |
| S60 | 0      | miss-match\$3 and S43 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/15 10:32 |
| S61 | 23     | match\$3 and S43      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/15 10:32 |
| S62 | 1318   | S44 S45 S46 S47       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/15 11:00 |
| S63 | 648218 | join\$3 with end      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/08/15 11:01 |
| S64 | 185    | S62 and S63           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/08/15 11:06 |
| S65 | 131    | c and S64             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/08/15 11:05 |

## EAST Search History

|     |        |                                   |   |    |    |                  |
|-----|--------|-----------------------------------|---|----|----|------------------|
| S66 | 2311   | long adj beam                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/08/15 11:05 |
| S67 | 4      | S62 and S66                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/08/15 11:14 |
| S68 | 279301 | (c or box) with (channel or beam) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/08/15 11:14 |
| S69 | 125    | S62 and S68                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/08/15 11:14 |
| S70 | 16     | S43 and S68                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/08/15 11:16 |
| S71 | 203    | S57 and S68                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/08/15 11:15 |
| S72 | 186    | end and S71                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/08/15 11:16 |
| S73 | 109    | end and S69                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/08/15 11:16 |